

Application No.: 09/687,734
Response dated: August 19, 2004
Reply to Office Action of: June 22, 2004

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for preparing a supported catalyst composition comprising the steps of:
 - (a) forming a supported activator wherein the supported activator is in a mineral oil; and
 - (b) contacting the supported activator with a combination consisting essentially of a bulky ligand and a metal compound.
2. (Currently Amended) The method of claim 1 wherein the bulky ligand and the metal compound are combined in a liquid prior to contacting with the supported activator.
3. (Original) The method of claim 1 wherein the supported activator comprises a support material and an activator.
4. (Original) The method of claim 3 wherein the activator is an alumoxane.
5. (Cancel)
6. (Original) The method of claim 2 wherein the liquid is an aliphatic hydrocarbon.
7. (Original) The method of claim 1 wherein the metal compound is represented by the formula:



wherein M is a Group 3 to 12 metal from the Periodic Table of Elements and L is selected from the group consisting of hydrogen, halogen, hydrocarbyl, alkoxide,

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aryoxide, carboxylate, carbodionate, amide, carbamate and phosphide; and "x" is an integer depending on the valence state of metal.

8. (Original) The method of claim 1 wherein the supported activator is the reaction product of a support material comprising surface hydroxyl groups and an organoaluminum compound.
9. (Original) The method of claim 1 wherein the metal compound is a Group 4 metal compound.
10. (Currently Amended) A process for polymerizing olefin(s) in the presence of a supported catalyst system, the supported catalyst system produced by contacting a supported activator, and a combination consisting essentially of a bulky ligand and a metal compound.
11. (Currently Amended) The process of claims 10 or 21, wherein the process is a gas phase process.
12. (Currently Amended) The process of claims 10 or 21, wherein the supported activator comprises a support material and an activator.
13. (Currently Amended) The process of claims 10 or 21, wherein the metal compound is represented by the formula:
$$ML_x$$
wherein M is a Group 3 to 12 metal from the Periodic Table of Elements and L is selected from the group consisting of hydrogen, halogen, hydrocarbyl, alkoxide, aryloxide, carboxylate, carbodionate, amide, carbamate and phosphide; and "x" is an integer depending on the valence state of metal.
14. (Currently Amended) The process of claims 10 or 21, wherein the supported catalyst system is in a slurry state.

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15. (Currently Amended) An activated olefin polymerization supported catalyst system comprising a bulky ligand, a metal compound, and supported activator and a combination consisting essentially of a ligand and a metal compound.
16. (Original) The supported catalyst system of claim 15 wherein the supported activator comprises a support material and an activator.
17. (Currently Amended) The supported catalyst system of claim 15 wherein the weight percent of the supported activator to the bulky ligand and metal compound is in the range of from 99.6 to 80.
18. (Original) The supported catalyst system of claim 15, wherein the supported activator is a supported alumoxane.
19. (Original) The supported catalyst system of claim 15, wherein the activated supported polymerization supported catalyst system is in a liquid.
20. (Original) The supported catalyst system 15, wherein the supported activator is in a mineral oil.
21. (New) The process of claim 10, wherein said combination consists essentially of two or more ligands and a metal compound.

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